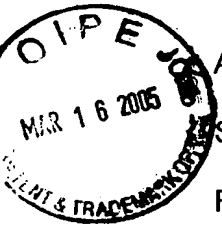


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants: H. SATO, et al

Serial No.: 10/767,196

Filed: January 30, 2004

For: DISK ARRAY DEVICE HAVING SPARE DISK DRIVE AND DATA
SPARING METHOD**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97 & 1.98****MS Amendment**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 16, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

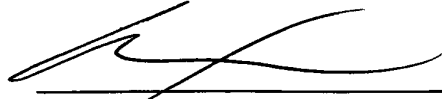
This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR §1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language translation of the documents.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (501.43402X00) please credit any excess fees to such deposit account.

Respectfully submitted,



CIB/jdc
(703) 684-1120

Carl I. Brundidge
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MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

501.43402X00**10/767,196**

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

H. SATO, et al

FILING DATE

January 30, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	4	1	8	9	2	5	5/95	DeMoss et al				
	5	6	1	1	0	6	9	3/97	Matoba				
	6	2	2	3	2	5	2	4/01	Bandera et al				
2 0 0 3	0	0	5	6	1	4	2	3/03	Hashemi				
2 0 0 3	0	0	8	8	8	0	3	5/03	Arnott et al				
2 0 0 3	0	2	2	5	9	7	0	12/03	Hashemi				
2 0 0 4	0	2	6	0	9	6	7	12/04	Guha et al				

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
	1	0	3	2	0	1	2	9	12/98	Japan				X
	2 0 0 2	2	9	7	3	2	2		10/02	Japan				X
	2 0 0 2	3	7	3	0	5	9		12/02	Japan				X
	2 0 0 3	1	8	6	6	3	0		7/03	Japan				X

EXAMINER

DATE CONSIDERED

(Form PTO-1449 [6-4])